

=> d his

(FILE 'HOME' ENTERED AT 13:39:53 ON 05 AUG 2002)

FILE 'MEDLINE' ENTERED AT 13:40:03 ON 05 AUG 2002

L1 32767 S HERPESVIRUS  
L2 38 S AVIAN HERPESVIRUS  
L3 283 S HVT  
L4 565 S MDV  
L5 2 S MDV3  
L6 1 S CHIME? AND L3  
L7 0 S S MARKE? DISEASE VIRUS  
L8 0 S S MAREK? DISEASE VIRUS  
L9 24 S MAREK? DISEASE VIRUS  
L10 1 S L3 AND L9  
L11 3 S L2 AND L3  
L12 134 S L3 AND L4  
L13 144 S UNIQUE LONG  
L14 141 S UNIQUE SHORT  
L15 4 S L13 AND L14 AND L3  
L16 0 S L13 AND L14 AND L2

FILE 'BIOSIS' ENTERED AT 13:51:20 ON 05 AUG 2002

L17 0 S L13 AND L14 AND L2  
L18 4 S L13 AND L14 AND L3

FILE 'SCISEARCH' ENTERED AT 13:52:33 ON 05 AUG 2002

L19 3 S L13 AND L14 AND L3

FILE 'CAPLUS' ENTERED AT 13:53:01 ON 05 AUG 2002

L20 5 S L13 AND L14 AND L3

FILE 'MEDLINE' ENTERED AT 13:54:13 ON 05 AUG 2002

=> d 115 1-4 all

L15 ANSWER 1 OF 4 MEDLINE  
AN 2001210454 MEDLINE  
DN 21195611 PubMed ID: 11297687  
TI The genome of herpesvirus of turkeys: comparative analysis with Marek's disease viruses.  
AU Kingham B F; Zelnik V; Kopacek J; Majerciak V; Ney E; Schmidt C J  
CS Department of Animal and Food Sciences, University of Delaware, Newark, DE 19717, USA.  
SO JOURNAL OF GENERAL VIROLOGY, (2001 May) 82 (Pt 5) 1123-35.  
Journal code: 0077340. ISSN: 0022-1317.  
CY England: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
OS GENBANK-AF282130  
EM 200105  
ED Entered STN: 20010529  
Last Updated on STN: 20010529  
Entered Medline: 20010524  
AB The complete coding sequence of the herpesvirus of turkeys (**HVT**) **unique long** (U(L)) region along with the internal repeat regions has been determined. This allows completion of the **HVT** nucleotide sequence by linkage to the sequence of the **unique short** (U(S)) region. The genome is approximately 160 kbp and shows extensive similarity in organization to the genomes of Marek's disease virus serotypes 1 and 2 (MDV-1, MDV-2) and other alphaherpesviruses. The **HVT** genome contains 75 ORFs, with three ORFs present in two copies. Sixty-seven ORFs were identified readily as homologues of other alphaherpesvirus genes. Seven of the remaining eight ORFs are homologous to genes in MDV, but are absent from other herpesviruses. These include a gene with similarity to cellular lipases. The final, **HVT-unique** gene is a virus homologue of the cellular NR-13 gene, the product of which belongs to the Bcl family of proteins that regulate apoptosis. No other herpesvirus sequenced to date contains a homologue of this gene. Of potential significance is the absence of a complete block of genes within the **HVT** internal repeat that is present in MDV-1. These include the pp38 and meq genes, which have been implicated in MDV-1-induced T-cell lymphoma. By implication, other genes present in this region of MDV-1, but missing in **HVT**, may play important roles in the different biological properties of the viruses.  
CT Check Tags: Animal; Comparative Study; Human; Support, Non-U.S. Gov't  
Amino Acid Sequence  
Evolution, Molecular  
Genes, Viral: PH, physiology  
\*Genome, Viral  
Glycoproteins: GE, genetics  
Herpesvirus 2, Gallid: CL, classification  
\*Herpesvirus 2, Gallid: GE, genetics  
Molecular Sequence Data  
Open Reading Frames  
Sequence Homology, Amino Acid  
Turkeys  
Viral Envelope Proteins: GE, genetics  
Viral Proteins: GE, genetics  
CN 0 (Glycoproteins); 0 (Viral Envelope Proteins); 0 (Viral Proteins)  
  
L15 ANSWER 2 OF 4 MEDLINE  
AN 2001092686 MEDLINE  
DN 20578232 PubMed ID: 11134310

TI The genome of turkey herpesvirus.  
 AU Afonso C L; Tulman E R; Lu Z; Zsak L; Rock D L; Kutish G F  
 CS Plum Island Animal Disease Center, Agricultural Research Service, U. S.  
 Department of Agriculture, Greenport, New York 11944, USA.  
 SO JOURNAL OF VIROLOGY, (2001 Jan) 75 (2) 971-8.  
 Journal code: 0113724. ISSN: 0022-538X.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-AF291866  
 EM 200101  
 ED Entered STN: 20010322  
 Last Updated on STN: 20010322  
 Entered Medline: 20010125  
 AB Here we present the first complete genomic sequence of Marek's disease virus serotype 3 (MDV3), also known as turkey herpesvirus (**HVT**). The 159,160-bp genome encodes an estimated 99 putative proteins and resembles alpha herpesviruses in genomic organization and gene content. **HVT** is very similar to MDV1 and MDV2 within the **unique long** (UL) and **unique short** (US) genomic regions, where homologous genes share a high degree of colinearity and their proteins share a high level of amino acid identity. Within the UL region, **HVT** contains 57 genes with homologues found in herpes simplex virus type 1 (HSV-1), six genes with homologues found only in MDV, and two genes (HVT068 and HVT070 genes) which are unique to **HVT**. The **HVT** US region is 2.2 kb shorter than that of MDV1 (Md5 strain) due to the absence of an MDV093 (SORF4) homologue and to differences at the UL/short repeat (RS) boundary. **HVT** lacks a homologue of MDV087, a protein encoded at the UL/RS boundary of MDV1 (Md5), and it contains two homologues of MDV096 (glycoprotein E) in the RS. **HVT** RS are 1,039 bp longer than those in MDV1, and with the exception of an ICP4 gene homologue, the gene content is different from that of MDV1. Six unique genes, including a homologue of the antiapoptotic gene Bcl-2, are found in the RS. This is the first reported Bcl-2 homologue in an alpha herpesvirus. **HVT** long repeats (RL) are 7,407 bp shorter than those in MDV1 and do not contain homologues of MDV1 genes with functions involving virulence, oncogenicity, and immune evasion. **HVT** lacks homologues of MDV1 oncoprotein MEQ, CxCR chemokine, oncogenicity-associated phosphoprotein pp24, and conserved domains of phosphoprotein pp38. These significant genomic differences in and adjacent to RS and RL regions likely account for the differences in host range, virulence, and oncogenicity between nonpathogenic **HVT** and highly pathogenic MDV1.  
 CT Check Tags: Animal  
 Amino Acid Sequence  
 \*Genome, Viral  
 \*Herpesviridae: GE, genetics  
 \*Herpesviridae Infections: VE, veterinary  
 Herpesviridae Infections: VI, virology  
 Molecular Sequence Data  
 \*Poultry Diseases: VI, virology  
 Sequence Analysis, DNA  
 \*Turkeys: VI, virology  
 Viral Proteins: CH, chemistry  
 Viral Proteins: GE, genetics  
 CN 0 (Viral Proteins)  
 L15 ANSWER 3 OF 4 MEDLINE  
 AN 2000429924 MEDLINE  
 DN 20392152 PubMed ID: 10933706  
 TI The genome of a very virulent Marek's disease virus.

AU Tulman E R; Afonso C L; Lu Z; Zsak L; Rock D L; Kutish G F  
 CS Plum Island Animal Disease Center, Agricultural Research Service, U. S.  
 Department of Agriculture, Greenport, New York 11944, USA.  
 SO JOURNAL OF VIROLOGY, (2000 Sep) 74 (17) 7980-8.  
 Journal code: 0113724. ISSN: 0022-538X.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-AF243438  
 EM 200009  
 ED Entered STN: 20000922.  
 Last Updated on STN: 20000922  
 Entered Medline: 20000914  
 AB Here we present the first complete genomic sequence, with analysis, of a  
 very virulent strain of Marek's disease virus serotype 1 (MDV1), Md5. The  
 genome is 177,874 bp and is predicted to encode 103 proteins. MDV1 is  
 colinear with the prototypic alphaherpesvirus herpes simplex virus type 1  
 (HSV-1) within the **unique long** (UL) region, and it is  
 most similar at the amino acid level to MDV2, herpesvirus of turkeys (**HVT**),  
 and nonavian herpesviruses equine herpesviruses 1 and 4. MDV1 encodes 55  
 HSV-1 UL homologues together with 6 additional UL proteins that are absent in  
 nonavian herpesviruses. The **unique short** (US) region is colinear with and has  
 greater than 99% nucleotide identity to that of MDV1 strain GA; however, an extra  
 nucleotide sequence at the Md5 US/short terminal repeat boundary results in a  
 shorter US region and the presence of a second gene (encoding MDV097) similar  
 to the SORF2 gene. MD5, like **HVT**, encodes an ICP4 homologue that contains a  
 900-amino-acid amino-terminal extension not found in other herpesviruses.  
 Putative virulence and host range gene products include the oncoprotein MEQ,  
 oncogenicity-associated phosphoproteins pp38 and pp24, a lipase homologue,  
 a CxC chemokine, and unique proteins of unknown function MDV087 and MDV097  
 (SORF2 homologues) and MDV093 (SORF4). Consistent with its virulent phenotype,  
 Md5 contains only two copies of the 132-bp repeat which has previously been  
 associated with viral attenuation and loss of oncogenicity.  
 CT Check Tags: Animal  
 Amino Acid Sequence  
 Cell Line  
 Chickens  
 DNA, Viral: AN, analysis  
 \*Genome, Viral  
 \*Herpesvirus 2, Gallid: GE, genetics  
 Herpesvirus 2, Gallid: IP, isolation & purification  
 Herpesvirus 2, Gallid: PY, pathogenicity  
 \*Marek Disease: VI, virology  
 Molecular Sequence Data  
 Sequence Alignment  
 Sequence Analysis, DNA  
 Virulence: GE, genetics  
 CN 0 (DNA, Viral)  
 L15 ANSWER 4 OF 4 MEDLINE  
 AN 93331722 MEDLINE  
 DN 93331722 PubMed ID: 8393240  
 TI Selection of Marek's disease virus recombinants expressing the Escherichia  
 coli gpt gene.  
 AU Marshall D R; Reilly J D; Liu X; Silva R F  
 CS United States Department of Agriculture, Agricultural Research Service,  
 East Lansing, Michigan 48823.  
 SO VIROLOGY, (1993 Aug) 195 (2) 638-48.  
 Journal code: 0110674. ISSN: 0042-6822.

CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199308  
 ED Entered STN: 19930903  
 Last Updated on STN: 19970203  
 Entered Medline: 19930820

AB We developed a positive selection method for recovering Marek's disease virus (MDV) recombinants. The Escherichia coli xanthine-guanine phosphoribosyltransferase gene (gpt), under the control of the major immediate-early promoter from cytomegalovirus, was inserted into the inverted repeats flanking the **unique long** (UL) region of a non-pathogenic serotype 2 MDV strain 281MI/1. In a second demonstration of the usefulness of the positive selection system, the gpt gene was inserted into the inverted repeats flanking the **unique short** (US) region of the turkey herpesvirus (**HVT**) strain FC126. The targeted insertion site in 281MI/1 was in a previously established nonessential site for virus replication. The targeted insertion site for FC126, at the junction of the UL and US regions, is a nonessential site for in vitro replication of herpes simplex virus. Recombinant viruses were easily selected by incubating the transfected cells in mycophenolic acid (MPA)-containing medium. Purification of recombinants resulted from a series of trypsinization and sonication steps combined with the culturing of virus in MPA-containing medium to inhibit wild-type virus replication. This simple technique for recovering MDV and **HVT** recombinants should increase the efficiency of identifying nonessential sites and gene function analysis by insertional mutagenesis.

CT Check Tags: Support, Non-U.S. Gov't  
 Blotting, Southern  
 Cloning, Molecular  
 DNA, Recombinant  
 Escherichia coli: EN, enzymology  
 \*Escherichia coli: GE, genetics  
 \*Genes, Bacterial  
 \*Herpesvirus 2, Gallid: GE, genetics  
 Herpesvirus 2, Gallid: ME, metabolism  
 Mycophenolic Acid: PD, pharmacology  
 \*Pentosyltransferases: GE, genetics  
 Pentosyltransferases: ME, metabolism  
 Promoter Regions (Genetics)  
 Restriction Mapping

RN 24280-93-1 (Mycophenolic Acid)  
 CN 0 (DNA, Recombinant); EC 2.4.2. (Pentosyltransferases); EC 2.4.2.22 (xanthine phosphoribosyltransferase)  
 GEN gpt

L20 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS  
 AN 1996:359736 CAPLUS  
 DN 125:26234  
 TI Herpesvirus of turkeys carrying cytokine expression cassettes or poultry virus antigen genes and their preparation and use  
 IN Cochran, Mark D.; Junker, David E.; Wild, Martha A.; Singer, Philip A.  
 PA Syntro Corporation, USA  
 SO PCT Int. Appl., 219 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 18

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9605291	A1	19960222	WO 1995-US10245	19950809
	W: AU, CA, JP, MX				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5961982	A	19991005	US 1994-288065	19940809
	US 5965138	A	19991012	US 1994-362240	19941222
	AU 9534053	A1	19960307	AU 1995-34053	19950809
	AU 711815	B2	19991021		
	EP 776361	A1	19970604	EP 1995-930814	19950809
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	JP 10506782	T2	19980707	JP 1995-507531	19950809
	US 6183753	B1	20010206	US 1997-804372	19970221
	US 2002081316	A1	20020627	US 2001-881457	20010614
PRAI	US 1994-288065	A	19940809		
	US 1994-362240	A	19941222		
	US 1985-773430	A2	19850906		
	US 1986-823102	A2	19860127		
	US 1986-887140	B2	19860717		
	US 1986-902877	B2	19860902		
	US 1986-902887	B2	19860902		
	US 1986-933107	B1	19861120		
	US 1987-78519	B2	19870727		
	US 1988-225032	A2	19880727		
	US 1991-649380	B2	19910131		
	US 1991-696262	B1	19910419		
	US 1992-898087	B2	19920612		
	US 1992-914057	B2	19920713		
	US 1993-23610	A2	19930226		
	WO 1993-US5681	A2	19930614		
	WO 1995-US10245	W	19950809		
	US 1996-663566	A2	19960613		
	US 1997-804372	A1	19970221		
	US 1999-426352	B2	19991025		

L20 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS  
 AN 1993:553017 CAPLUS  
 DN 119:153017  
 TI Selection of Marek's disease virus recombinants expressing the Escherichia coli gpt gene  
 AU Marshall, D. R.; Reilly, J. D.; Liu, X.; Silva, R. F.  
 CS Avian Dis. Oncol. Lab., U. S. Dep. Agric., East Lansing, MI, 48823, USA  
 SO Virology (1993), 195(2), 638-48  
 CODEN: VIRLAX; ISSN: 0042-6822  
 DT Journal  
 LA English

**WEST****End of Result Set**

Generate Collection

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L1: Entry 1 of 1

File: USPT

US-PAT-NO: 6183753

DOCUMENT-IDENTIFIER: US 6183753 B1

TITLE: Recombinant chimeric virus and uses thereof

DATE-ISSUED: February 6, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cochran; Mark D.	Carlsbad	CA		
Wild; Martha A.	San Diego	CA		
Winslow; Barbara J.	Delmar	CA		

US-CL-CURRENT: 424/199.1; 424/202.1, 424/204.1, 424/222.1,  
424/229.1, 435/235.1, 435/320.1, 435/69.1, 435/69.3, 536/23.52,  
536/23.72

## CLAIMS:

What is claimed is:

1. A recombinant herpesvirus of turkeys--Marek's disease virus chimera comprising a herpesvirus of turkeys unique long viral genome region and a Marek's disease virus unique short viral genome region.
2. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 1, wherein a foreign DNA sequence is inserted within a non-essential region of the herpesvirus of turkeys--Marek's disease virus chimera viral genome, and is capable of being expressed in a host cell.
3. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 2, wherein the foreign DNA sequence is inserted within an EcoR1 #9 fragment of the unique long region of the herpesvirus of turkeys--Marek's disease virus chimera viral genome.
4. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 2, wherein the foreign DNA sequence encodes a polypeptide.
5. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 2, wherein the foreign DNA sequence encodes a cytokine.
6. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 5, wherein the cytokine is a chicken myelomonocytic growth factor (CMGF), chicken interferon (cIFN) or quail interferon Type I (qIFN).
7. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 2, wherein the foreign DNA sequence encodes an antigenic polypeptide

selected from the group consisting of: Marek's disease virus, Newcastle disease virus, Infectious laryngotracheitis virus, Infectious bronchitis virus and Infectious bursal disease virus.

8. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 2, wherein the polypeptide is E. coli beta-galactosidase.

9. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 7, wherein the antigenic polypeptide is Marek's disease virus glycoprotein A (gA), Marek's disease virus glycoprotein B (gB), or Marek's disease virus glycoprotein D (gD).

10. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 7, wherein the antigenic polypeptide is Newcastle disease virus fusion protein or Newcastle disease virus hemagglutinin-neuraminidase.

11. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 7, wherein the antigenic polypeptide is infectious laryngotracheitis virus glycoprotein B (gB), infectious laryngotracheitis virus glycoprotein I (gI), or glycoprotein D (gD).

12. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 7, wherein the antigenic polypeptide is infectious bronchitis virus spike protein or infectious bronchitis virus matrix protein.

13. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 7, wherein the antigenic polypeptide is infectious bursal disease virus VP2, infectious bursal disease virus VP3 or infectious bursal disease virus VP4.

14. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 7, wherein the antigenic polypeptide is selected from the group consisting of: avian encephalomyelitis virus, avian reovirus, avian paramyxovirus, avian influenza virus, avian adenovirus, fowl pox virus, avian coronavirus, avian rotavirus, chick anemia virus (agent), Salmonella spp. E. coli, Pasteurella spp., Bordetella spp., Eimeria spp., Histomonas spp., Trichomonas spp., Poultry nematodes, cestodes, trematodes, and poultry mites/lice, poultry protozoa.

15. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 2, wherein the foreign DNA sequence is under control of an endogenous upstream herpesvirus promoter.

16. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 2, wherein the foreign DNA sequence is under control of a heterologous upstream promoter.

17. The recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 16 wherein the promoter is selected from the group consisting of: chicken anemia virus promoter, pseudorabies virus gX promoter, herpes simplex virus-1 alpha 4 promoter, human cytomegalovirus immediate early promoter, Marek's disease virus gA promoter, gB promoter, Marek's disease virus gD promoter, infectious laryngotracheitis gB promoter, bovine herpesvirus-1.1 VP8 promoter and infectious laryngotracheitis gD promoter.

18. An immunological composition which comprises an effective immunizing amount of the recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 2 and a suitable carrier.

19. A multivalent immunological composition which comprises an effective immunizing amount of the recombinant herpesvirus of turkeys--Marek's disease virus chimera of claim 2 and a suitable carrier.



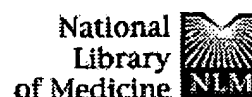
20. A method of immunizing a bird against an avian pathogen which comprises administering to the bird an effecting immunizing dose of the immunological composition of claim 18.

## WEST Search History

DATE: Monday, August 05, 2002

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
L3	"NAHV" and l1	0	L3
L2	"US2" and l1	1	L2
L1	6183753.pn.	1	L1

END OF SEARCH HISTORY



PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM
Search PubMed	<input checked="" type="checkbox"/> for					Go	Clear
Limits		Preview/Index		History	Clipboard		Data
Display	Summary	<input checked="" type="checkbox"/> Sort	<input type="checkbox"/>	Save	Text	Clip Add	Order
Show: 20	<input checked="" type="checkbox"/> Items 1-20 of 150	Page 1 of 8		Select page: 1 2 3 4 5 6 7 8			

## Entrez PubMed

- ☐ **1:** [Afonso CL, Tulman ER, Lu Z, Zsak L, Rock DL, Kutish GF.](#) Related Articles, Genome, Nucleotide, Protein  
The genome of turkey herpesvirus.  
J Virol. 2001 Jan;75(2):971-8.  
PMID: 11134310 [PubMed - indexed for MEDLINE]

## PubMed Services

- ☐ **2:** [Tulman ER, Afonso CL, Lu Z, Zsak L, Rock DL, Kutish GF.](#) Related Articles, Nucleotide, Protein  
The genome of a very virulent Marek's disease virus.  
J Virol. 2000 Sep;74(17):7980-8.  
PMID: 10933706 [PubMed - indexed for MEDLINE]

## Related Resources

- ☐ **3:** [Kingham BF, Zelnik V, Kopacek J, Majerciak V, Ney E, Schmidt CJ.](#) Related Articles, Nucleotide, Protein  
The genome of herpesvirus of turkeys: comparative analysis with Marek's disease viruses.  
J Gen Virol. 2001 May;82(Pt 5):1123-35.  
PMID: 11297687 [PubMed - indexed for MEDLINE]

- ☐ **4:** [Zelnik V, Darteil R, Audonnet JC, Smith GD, Riviere M, Pastorek J, Ross LJ.](#) Related Articles, Nucleotide, Protein  
The complete sequence and gene organization of the short unique region of herpesvirus of turkeys.  
J Gen Virol. 1993 Oct;74 ( Pt 10):2151-62.  
PMID: 8409940 [PubMed - indexed for MEDLINE]

- ☐ **5:** [Tulman ER, Afonso CL, Lu Z, Zsak L, Kutish GF, Rock DL.](#) Related Articles, Genome, Nucleotide, Protein  
Genome of lumpy skin disease virus.  
J Virol. 2001 Aug;75(15):7122-30.  
PMID: 11435593 [PubMed - indexed for MEDLINE]

- ☐ **6:** [Jang HK, Ono M, Kim TJ, Izumiya Y, Damiani AM, Matsumura T, Niikura M, Kai C, Mikami T.](#) Related Articles, Nucleotide, Protein  
The genetic organization and transcriptional analysis of the short unique region in the genome of nononcogenic Marek's disease virus serotype 2.  
Virus Res. 1998 Nov;58(1-2):137-47.  
PMID: 9879770 [PubMed - indexed for MEDLINE]

- ☐ **7:** [Lee LF, Wu P, Sui D, Ren D, Kamil J, Kung HJ, Witter RL](#) Related Articles, Genome, Nucleotide, **Free in PMC**, Protein

The complete unique long sequence and the overall genomic organization of the GA strain of Marek's disease virus.

Proc Natl Acad Sci U S A. 2000 May 23;97(11):6091-6.

PMID: 10823954 [PubMed - indexed for MEDLINE]

- ☐ **8:** [Kato A, Sato I, Ihara T, Ueda S, Ishihama A, Hirai K](#) Related Articles, Nucleotide, Protein

Homologies between herpesvirus of turkey and Marek's disease virus type-1 DNAs within two co-linearly arranged open reading frames, one encoding glycoprotein A.

Gene. 1989 Dec 14;84(2):399-405.

PMID: 2558972 [PubMed - indexed for MEDLINE]

- ☐ **9:** [Raftery M, Muller A, Schonrich G](#)

Related Articles

Herpesvirus homologues of cellular genes.

Virus Genes. 2000;21(1-2):65-75. Review.

PMID: 11022790 [PubMed - indexed for MEDLINE]

- ☐ **10:** [Yu Q, Hu N, Lu Y, Nerurkar VR, Yanagihara R](#)

Related Articles

Rapid acquisition of entire DNA polymerase gene of a novel herpesvirus from green turtle fibropapilloma by a genomic walking technique.

J Virol Methods. 2001 Feb;91(2):183-95.

PMID: 11164500 [PubMed - indexed for MEDLINE]

- ☐ **11:** [Kitazawa T, Ono M, Maeda K, Kawaguchi Y, Kamiya N, Niikura M, Mikami T](#) Related Articles, Nucleotide, Protein

Nucleotide sequence of the glycoprotein C (gC) homologous gene of Marek's disease virus (MDV) serotype 2 and comparison of gC homologous genes among three serotypes of MDV.

J Vet Med Sci. 1993 Dec;55(6):985-90.

PMID: 8117828 [PubMed - indexed for MEDLINE]

- ☐ **12:** [Afonso CL, Tulman ER, Lu Z, Zsak L, Kutish GF, Rock DL](#) Related Articles, Genome, Nucleotide, Protein

The genome of fowlpox virus.

J Virol. 2000 Apr;74(8):3815-31.

PMID: 10729156 [PubMed - indexed for MEDLINE]

- ☐ **13:** [Shimajima Y, Jang HK, Ono M, Maeda K, Tohya Y, Mikami T](#)

Related Articles

Identification and DNA sequence analysis of the Marek's disease virus serotype 2 genes homologous to the thymidine kinase and UL24 genes of herpes simplex virus type 1.

Virus Genes. 1997;14(1):81-7.

PMID: 9208458 [PubMed - indexed for MEDLINE]

- ☐ **14:** [Kopacek J, Kl'ucar L, Koptidesova D, Turna J, Pastorek J, Zelnik V](#) Related Articles, Nucleotide, Protein

Nucleotide sequence of the gene encoding the major capsid protein of

**herpesvirus of turkeys.**

Virus Genes. 2000;20(2):107-15.

PMID: 10872871 [PubMed - indexed for MEDLINE]

- ☐ **15:** [Izumiya Y, Jang HK, Sugawara M, Ikeda Y, Miura R, Nishimura Y, Nakamura K, Miyazawa T, Kai C, Mikami T.](#) **Related Articles, Nucleotide, Protein**

Identification and transcriptional analysis of the homologues of the herpes simplex virus type 1 UL30 to UL40 genes in the genome of nononcogenic Marek's disease virus serotype 2.

J Gen Virol. 1999 Sep;80 ( Pt 9):2417-22.

PMID: 10501496 [PubMed - indexed for MEDLINE]

- ☐ **16:** [Bublot M, Laplace E, Audonnet JC.](#) **Related Articles**

Non-essential loci in the BamHI-I and -F fragments of the HVT FC126 genome.

Acta Virol. 1999 Apr-Jun;43(2-3):181-5.

PMID: 10696442 [PubMed - indexed for MEDLINE]

- ☐ **17:** [Kopacek J, Zelnik V, Brasseur R, Koptidesova D, Rejholcova O, Pastorekova S, Pastorek J.](#) **Related Articles, Nucleotide, Protein**

Herpesvirus of turkeys homologue of HSV VP16 is structurally related to varicella zoster virus trans-inducing protein encoded by ORF 10.

Virus Genes. 1997;15(1):45-52.

PMID: 9354269 [PubMed - indexed for MEDLINE]

- ☐ **18:** [Luque T, Finch R, Crook N, O'Reilly DR, Winstanley D.](#) **Related Articles, Genome, Nucleotide, Protein**

The complete sequence of the Cydia pomonella granulovirus genome.

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